



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 24] नई दिल्ली, शनिवार, जून 14, 1986 (ज्येष्ठ 24, 1908)
No. 24] NEW DELHI, SATURDAY, JUNE 14, 1986 (JYAISTHA 24, 1908)

इस भाग में जिस पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 14th June 1986

ADDRESS AND JURISDICTION OF OFFICE OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West),
Bombay-400 013.

The States of Gujarat, Maharashtra, and Madhya Pradesh,
and the Union Territories of Goa, Daman and Diu and
Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and
Kashmir, Punjab, Rajasthan and Uttar Pradesh and the
Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

1—107GI/86

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamil
Nadu, and the Union Territories of Pondicherry, Laccadive,
Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
214, Acharya Jagadish Bose Road,
Calcutta-700 0107.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or
any fees required by the Patents Act, 1970 or the Patents
Rules, 1972 will be received only at the appropriate Offices of
the Patent Office.

Fees :—The fees may either be paid in cash or may be
sent by Money Order or Postal Order, payable to the Con-
troller at the appropriate Offices or by bank draft or cheque,
payable to the Controller drawn on a scheduled bank at the
place where the appropriate office is situated.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

6th May, 1986

351/Cal/86. Irkutsky Filial Vsesjuznogo Nauchno-Issledovatel'skogo I Proektnogo Instituta Aljuminlevol, Magnievoi I Elektrodoi I Promyshlennosti. Method for treating anode rods during their repositioning in the electrolytic production of aluminium.

352/Cal/86. The Babcock & Wilcox Co. Low power high efficiency switching power supply.

353/Cal/86. The Babcock & Wilcox Co. Low level voltage pulse converter.

354/Cal/86. The Babcock & Wilcox Co. Voltage pulse to current regulating converter.

7th May, 1986

355/Cal/86. Metalgesellschaft Aktiengesellschaft. Process of burning cattle dung.

8th May, 1986

356/Cal/86. Petainer S. A. Container, method and apparatus for manufacturing the same.

357/Cal/86. Kievsky Politekhnicheskij Institut Imeni 50-Letia Velikoi Oktyabrskoi Sotsialisticheskoi I Revoliutsii. Method and apparatus for cultivating solonchets.

358/Cal/86. Hoechst Aktiengesellschaft. Water-soluble diazo compounds, process for their preparation and their use as dyes.

359/Cal/86. Ckd Dukla, Koncernovy Podnik Zavod Tatra, Kolin. Ash cooler, particularly for cooling of ashes removed from a fluid fire place.

12th May, 1986

360/Cal/86. Commonwealth Scientific and Industrial Research Organisation. Mastitis vaccine. (Convention date 13th May, 1986) Australia.

361/Cal/86. Rainer E. Hartmann. Incinerator for urban mud (filth) and garbage.

13th May, 1986

362/Cal/86. Fried Krupp Gesellschaft Mit Beschränkter Haftung. Process for the reduction of iron-containing chrome ores.

363/Cal/86. Klein, Schanzlin & Becker Aktiengesellschaft and Lowara SPA. Centrifugal Pump Casing.

364/Cal/86. Klein, Schanzlin & Becker Aktiengesellschaft and Lowara SPA. Impeller.

365/Cal/86. Klein, Schanzlin & Becker Aktiengesellschaft and Lowara SPA. Cashing Ring.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110 005

28th April 1986

376/Del/86. UOP INC., "Product recovery method for an aromatic hydrocarbon alkylation process".

377/Del/86. Satish Kumar Das, "Air cushioned shock absorbers".

378/Del/86. Colgate-Palmolive Co., "Dental cream". [Divisional date 30th August, 1983]

379/Del/86. Colgate Palmolive Co., "Dental Cream". [Divisional date 30th August, 1983].

380/Del/86. Nordson Corporation, "Improved powder spray apparatus and powder spray method".

381/Del/86. Ultrascap International Ltd., "Article treating apparatus". (Convention date 29th April, 1985 & 3rd February, 1986 (U.K.).

29th April, 1986

382/Del/86. Österreichische Chemische Werke Gesellschaft m.b.H., "A process for conducting oxidation in the cyclic process for the preparation of hydrogen peroxide".

383/Del/86. Blue Circle Industries Plc., "Settable cementitious compositions". (Convention date 20th May, 1985 & 30th October, 1985) (U.K.).

384/Del/86. M & T Chemicals Inc., "Method of producing transparent haze-free tin oxide coatings".

385/Del/86. Brian Colin Danks, "Power assisted cycle".

386/Del/86. Abacus Municipal Ltd., "Column mounted appliances". (Convention date 28th January, 1983) (U.K.) and [Divisional date 9th January, 1984].

30th April, 1986

387/Del/86. Armco Inc., "Oxidation resistant ferrous base foil and method therefor".

388/Del/86. O & K Orenstein & Koppel Aktiengesellschaft., "Process and installation for the manufacture of white cement".

389/Del/86. Anti-P, Inc., "Internal combustion engine pollutant control system".

390/Del/86. AVL Gesellschaft für Verbrennungskraftmaschinen Und Messtechnik mbH., "A method for exchange of charge in two stroke internal combustion engines, and an internal combustion engine for implementing the method".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-400 013

2-4-1986

113/Bom/86. Peico Electronics & Electricals Ltd. A binder composition for use in the calendering method of manufacturing sintered thin flat piezo-electric ceramic elements to improve the calendering and sintering properties of such elements.

114/Bom/86. Swastik Rubber Products Limited. Flexible Bio-Gas Plant.

115/Bom/86. Mohini Milind Kelkar. Automatic Edge Polishing machine.

7-4-1986

116/Bom/86. Primatex Machinery Pvt. Ltd. Improvements in or relating to a constant pressure chamber in a textile processing range.

117/Bom/86. Vidyadhar Krishnarao Mahajan. Improved contact system for wirewound potentiometer.

118/Bom/86. Ramesh Kumar Jain. Baby Chair Cum Cradle.

9-4-1986

119/Bom/86. Sundowners Engineering Pvt. Ltd. An improved collapsible mini-drafter and a carrying case therefor.

120/Bom/86 Vijay S. Bellihal. Solar Cordless Stereo.

10-4-1986

- 121/Bom/86. K. R. Srinivasan. A water pump working on electricity without the use of an electric motor.
- 122/Bom/86. B. C. Biradar. Electronic negative ion emitter forming an air freshener.

15-4-1986

- 123/Bom/86. Praj Counsel Tech. Pvt. Ltd. Improved process and plant for concentration of the spent wash from distilleries and further incineration of the concentrate as means of disposal.

16-4-1986

- 124/Bom/86 Phenoweld Polymer Pvt. Ltd. Flushing Mechanism.
- 125/Bom/86. R. P. Patel. Gravity Energy Engine.

17-4-1986

- 126/Bom/86. V. S. Bellihal. Solar Cordless Houseman.

21-4-1986

- 127/Bom/86. Hindustan Lever Ltd. A process for preparing improved foodstuffs such as polysaccharides and ice-creams.
- 128/Bom/86. Greaves Foseco Ltd. Pouring Tubes.

APPLICATIONS FOR PATENTS FILED AT THE PATENT
OFFICE BRANCH, 61, WALLAJAH ROAD,
MADRAS-600 002

28th April, 1986

- 318/Mas/86. C. S. R. Nair (Dr.). A process for tagging petroleum products.
- 319/Mas/86. BBC Brown, Boveri & Company Limited. Gas-blast circuit breaker.
- 320/Mas/86. BBC Brown, Boveri & Company Limited. Isolating switch.
- 321/Mas/86. Inland Steel Company. Method and apparatus for adding solid alloying ingredients to molten metal stream. (January 2, 1986; Canada).
- 322/Mas/86. Stork Screens B. V. Method of forming a patterned photopolymer coating on a printing roller and also a printing roller with patterned photopolymer coating (April 2, 1986; New Zealand).
- 323/Mas/86. Allied Corporation. Electrical connector assembly and method for terminating cable.

29th April, 1986

- 324/Mas/86. K. V. Ramachandran, Dr. V. R. Sivakumar, V. R. Kumaravel & Miss V. R. Shanthi. A yarn feeding mechanism for a circular fabric machine.
- 325/Mas/86. K. V. Ramachandran, Dr. V. R. Sivakumar, V. R. Kumaravel & Miss V. R. Shanthi. A main drive system for a circular knitting machine.
- 326/Mas/86. Union Oil Company of California. Systemic herbicidal compositions and methods of use.
- 327/Mas/86. Aluminium Pechiney. Process for the continuous production of alumina from bauxites containing monohydrates using the bayer process.
- 326/Mas/86. Charbonnages De France. Fluid fuel combustion process and turbulent-flow burner for implementing same.
- 329/Mas/86. Abex Corporation. Manganese Steel.
- 330/Mas/86. S & L Maskin AB. A tap holder.
- 331/Mas/86. Advanced Tobacco Products, Inc. Nicotine dispenser with polymeric reservoir of nicotine.

30th April, 1986

- 332/Mas/86. Union Carbide Corporation. Epoxy/aromatic amine resin systems containing aromatic trihydroxy compounds as cure accelerators.
- 333/Mas/86. Societe des Produits Nestle S. A. Stabilisation of tea in cold water.
- 334/Mas/86. Aluminium Pechiney. A device for connection between very high intensity electrolysis cells for the production of aluminium comprising a supply circuit and an independent circuit for correcting the magnetic field.
- 335/Mas/86. BBC Brown, Boveri & Company Limited. Process for the preparation of a voltage-dependent ceramic resistance based on Znc, and a resistance produced by the process.
- 336/Mas/86. Maschinenfabrik Rieter AG. A method and device for spinning a yarn in accordance with the open and friction spinning principle.
- 337/Mas/86. The International Metals Reclamation Company, Inc. Rotary Hearth.

1st May, 1986

- 338/Mas/86. Enichem Elastomeri S.p.A. Improved Process for the polymerization of copolymerization of butadiene.
- 339/Mas/86. Enichem Elastomeri S.p.A. Improved process for the polymerization or copolymerization of butadiene.
- 340/Mas/86. Enichem Sintesi S.p.A. Process for the preparation of substitutes for optical glasses and polymerizable liquid composition suitable to that purpose.
- 341/Mas/86. Hedley Purvis Limited. Fluid-actuated piston-cylinder assembly.

2nd May, 1986

- 342/Mas/86. N. Palani. Whirl-wind energy machine.
- 343/Mas/86. P. V. George. Mono-spring tube cistern.
- 344/Mas/86. Michele Ratti S.p.A. Process and device for cutting yarn coming from a spindle and in particular from a two-for-one twisting spindle.
- 345/Mas/86. Michele Ratti S.p.A. Two-for-one twisting spindle for yarns.
- 346/Mas/86. Zabrzanskie Gwarectwo Weglowe Kopalin Wegla Damiennego "Zabrze-Bielszowice". Pul-sator for enriching, particularly hard coal.

ALTERATION OF DATE

157789

(3 Del/83). Ante-dated to 14th October, 1981.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statements of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 39-J; 94-G.

157760

Int. Cl. : C 01 b 21/06; C 22 c 29/00.

PROCESS FOR IMPROVING THE PLATING CHARACTERISTICS OF BORON RICH CUBIC BORON NITRIDE.

Applicant : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventor : 1. FRANCIS RAYMOND CORRIGAN.

Application No. 105/Cal/82 filed January 27, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for improving the plating characteristics of boron rich cubic boron nitride which comprises leaching the cubic boron nitride with an acid mixture comprising volume ratio of nitric : sulfuric acid mixture in the range of from 2 : 98 to 75 : 25 for a time sufficient to yield a cubic nitride having a substantial absence of any surface electrically conducting phase which would interfere with electroplating.

Compl. Specn. 17 pages.

Drg. 4 sheets.

CLASS : 55-E₂, 4; 60-X, a.

157761

Int. Cl. : C 12 d 9/00.

BIOLOGICAL PROCESS FOR THE PREPARATION OF RIFAMYCIN DERIVATIVES.

Applicant : KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY, OF 207-43, CHEONGRYANGRI-DONG, DONGDAIMOONKU, SEOUL 131, KOREA.

Inventors : 1. MR. MOON HI HAN, 2. MR. TAE-ICK MHEEN, 3. MR. BAIK LIN SEONG.

Application No. 125/Cal/82 filed February 2, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for the preparation of rifamycin derivatives which comprises subjecting rifamycin B to the reaction of the enzyme of a microorganism selected from the group consisting of *Humicola* spp. (AT CC 20620) and *Monocillium* spp. (AT CC 20621) at a pH ranging from 4 to 10 and recovering rifamycin derivatives from the reaction medium.

Compl. Specn. 22 pages.

Drg. Nil.

CLASS : 108-B₂ (b); 127-I.

157762

Int. Cl. : C 21 b 13/02.

IMPROVED APPARATUS FOR BREAKING UP AGGLOMERATED PARTICULATE MATTER.

Applicant : HYLSA, S.A. OF APDO, POSTAL 996, MONTERREY, N : L. MEXICO.

Inventors : 1. ENRIQUE RAMON MARTINEZ-VERA, 2. GILBERTO GUERRA-GARCIA.

Application No. 351/Cal/82 filed March 29, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An apparatus for breaking apart agglomerations in particulate matter flowing in a vessel characterized by :

at least one probe mounted to the exterior wall of said vessel,

at least one probe port in said wall of said vessel shaped to accommodate said probe and to prevent escape of particulate matter therethrough,

actuating means for forcefully extending said probe from a retracted position exterior to said vessel, to a position extending substantially into the vessel, and retracting it back out therefrom through said port, said actuating means being adapted to move said probe into said vessel along a line which, extended downwardly, makes an acute angle & relative to the direction of flow of said particulate matter generally along the principal axis of said vessel.

Compl. Specn. 17 pages.

Drg. 5 sheets.

CLASS : 47-A.

157763

Int. Cl. : C 10 b 47/00.

A METHOD OF PREHEATING COAL IN A COKING PROCESS IN A COKING PLANT.

Applicant : KRUPP-KOPPERS GMBH. OF MOLTKE-STRASSE 29, 4300 ESSEN 1, WEST GERMANY.

Inventors : 1. VLADAN PETROVIC, 2. HEINZ ROTH-AUS.

Application No. 1183/Cal/82 filed April 30, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A method of preheating coal in a coking process in a coking plant by waste-heat steam generated during dry cooling of the coke wherein the coke ovens are periodically fed with preheated coal and the coke produced is subjected to dry cooling by means of a gaseous cooling medium, the waste-heat steam generated during dry-cooling of the coke being utilized for preheating of the coal, characterized in that the pre-heating of the coal is carried out in two stages in two pneumatic dryers connected in series, and in that steam superheated to a temperature of between 400 and 600°C is introduced as a heat carrier into the pneumatic dryers and in that after passing therethrough and removal of dust the steam is subsequently reheated by heat exchange with the hot circulating gas of the coke dry-cooling system.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS : 69-Q.

157764

Int. Cl. : H 02 h 3/00.

VACUUM INTERRUPTER WITH A SPECIALLY MODULATED AXIAL MAGNETIC FIELD CONTACT.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. ROY EDWIN WOOTTON, 2. ROY EDWARD VOSHALL.

Application No. 607/Cal/82 filed May 26, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A vacuum circuit interrupter comprising a hermetically sealed, evacuated envelope with conductive leads sealed through the envelope, arc contacts disposed within the envelope at internal ends of the conductive leads, with at least one of the arc contacts being movable into closed circuit mating contact with the other arc contact and to open circuit spaced apart relationship, means for generating an axial magnetic field between the spaced apart arc contacts directed parallel to the longitudinal axis of the envelope and the arc path between the contacts, wherein at least one of the arc contacts comprise means for specially modulating the applied axial magnetic field over the area of the contact to produce adjacent regions of differing magnetic field strength whereby a plurality of spaced apart low arc voltage and stable parallel arc current path areas are provided over the contact area.

Compl. Specn. 10 pages

Drgs. 3 sheets.

CLASS : 93.

157765

Int. Cl. : B 01 j 2/06.

A PROCESS FOR MAKING GRANULES CONTAINING UREA AS THE MAIN COMPONENT.

Applicant : COMPAGNIE MEERLANDAISE DE L'AZONTE (SOCIETE ANONYME), OF LOUZALAAN 149, BRUSSELS, BELGIUM.

Inventors : 1. WILLY HENRI PRUDENT VAN HIJETE,
2. LUC ALBERT VANMARCKE.

Application No. 752/Cal/82 filed June 26, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for making granules containing urea as the main component by spraying an aqueous urea solution having a urea concentration of 85-98% by weight, to which solution a crystallization retarder for the urea has been added, and which solution optionally contains other fertilizers, such as ammonium sulphate, ammonium dihydrogen phosphate, and diammonium sulphate, in solution or suspension in the form of very fine droplets having an average diameter between 20 and 120 micron, into a fluidized bed of urea particles at a temperature at which the water from the solution or suspension sprayed onto the particles is evaporated and urea or fertilizer material containing urea as the main component solidifies on the particles to form granules having a desired size, characterized by using as the crystallization retarder magnesium hydroxide, an inorganic magnesium salt or a mixture of such substances.

Compl. Specn. 14 pages.

Drg. Nil.

CLASS : 9-F

157766

Int. Cl. : C 22 c 1/00.

METHOD OF PRODUCING A HIGH STRENGTH POWDERED ALLOY MATERIAL.

Applicant : IMPERIAL CLEVITE INC., TECHNOLOGY CENTER, 540 E. 105TH STREET, CLEVELAND, OHIO 44108, UNITED STATES OF AMERICA.

Inventors : 1. MANEK R. DUSTOOR, 2. LEE A. SWANGER.

Application No. 915/Cal/82 filed August 3, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for forming a high strength metal alloy material such as aluminium alloy or titanium base alloy of a predetermined composition comprising,

forming an enriched alloy material wherein said enriched alloy material contains aluminium, zinc, magnesium, copper and cobalt having its alloy constituents present in amounts at least ten per cent greater than the desired amounts in final metal alloy material;

forming said enriched alloy into particles having a particle size of less than 40 mesh;

mixing said enriched alloy particles with particles of a metal filler material as herein described having a particle size of less than 40 mesh in a manner such that the resultant powder mixture contains alloy constituents in the amounts desired in the final metal alloy material;

passing said powder mixture through a powder-rolling mill to compact the same to form a solidified mass having a density of at least 80 per cent of theoretical; and

sintering said solidified mass at a temperature sufficient to cause interparticle bonding and diffusion of the alloy constituents to form a homogeneous mass of metal alloy material having the desired chemical composition.

Compl. Specn. 8 pages.

Drg. Nil.

CLASS : 84-C₁.

157767

Int. Cl. C 10 L 5/00.

A PROCESS FOR THE MANUFACTURE OF COKE BRIQUETTES WHICH ARE HARD, MOULDED, WEATHER RESISTANT AND SMOKELESS.

Applicant & Inventor : BUTTO KRISHNA BANERJEE OF 18/B, ABINASH CHANDRA BANERJEE LANE, CALCUTTA-10, STATE OF WEST BENGAL, INDIA.

Application No. 1007/Cal/82 filed August 28, 1982.

Complete Specification dated left on 14th November, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A process for the manufacture of coke briquette which are hard, moulded, weather resistant and smokeless which comprises mixing coke breeze such as waste coke breeze of upto 6 mm particle size with filler like dolomitic limestone, blending the same to obtain a dry blend, thereafter mixing a known binder such as bituminous based binder with the said dry blend to obtain a thorough blend of all the ingredients which is capable of being kneaded, subjecting the mixture thus obtained to a kneading operation in the presence of steam, thereafter cooling the kneaded mixture to the temperature around 50°C, subjecting the thus kneaded and cooled mixture to a briquetting operation to obtain briquettes of desired shape, size and weight, subjecting the briquettes thus obtained to a step of drying and preheating in the presence of hot gases to temperature not exceeding 140°C, subjecting the preheated briquettes to the curing operation in the presence of hot gases to a temperature not exceeding 270°C whereafter the thus cured briquettes are cooled to a temperature of around 170°C.

Provisional Specn. 9 pages.

Drg. Nil.

Compl. Specn. 13 pages.

Drg. Nil.

CLASS : 144-E₆.

157768

Int. Cl. : C09 c 1/00, 3/00.

PROCESS FOR PREPARING NACREOUS PIGMENT HAVING IMPROVED LIGHT FASTNESS.

Applicant : MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, D-6100 DARMSTADT, FRANKFURTER STRASSE 250, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. DR. HORST BERNHARD.

Application No. 1133/Cal/82 filed September 30, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

Process for preparing a nacreous pigment having improved light fastness and based on mica plate-lets coated with titanium dioxide, and which mica is coated in aqueous suspension with one or more titanium dioxide hydrate layers or other metal oxide for example tin dioxide layers or layers of titanium dioxide mixed with other metal oxides for example tin dioxide and then washed, dried and calcined, characterized in that an additional layer of manganese hydroxide is precipitated in an amount of 0.05–0.5% by weight onto the base pigment either directly after the coating with the titanium dioxide hydrate layer or after the calcination and the pigment is then washed, dried and calcined at a temperature of from about 500-1,000°C.

Compl. Specn. 12 pages.

Drg. Nil.

CLASS : 69-I.

157769

Int. Cl. : H 01 r 39/02, 39/60.

VACUUM INTERRUPTER.

Applicant : KABUSHIKI KAISHA MEIDENSHA OF 1-17, OHSAKI 2-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Inventors : 1. SHINZO SAKUMA, 2. MASAYUKI KANO, 3. JUNICHI WARABI, 4. YUTAKA KASHIMOTO.

Application No. 1381/Cal/82 filed November 26, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A vacuum interrupter which comprises :

- (a) a hollow metallic cylinder and
- (b) insulating end plates which are made of inorganic insulating material provided at both of the ends of the metallic cylinder, together forming the vacuum room of the vacuum interrupter;
- (c) a pair of stationary and movable lead rods which extend into the metallic cylinder through the insulating end plates and are provided with separable electric contacts;
- (d) bellows connecting the movable lead rod to one of the insulating end plates;
- (e) auxiliary sealing members which connect in brazing the metallic cylinder to both of the insulating end plates and the stationary lead rod to the other of the insulating end plates;
- (f) receptacle for solid brazing material provided at least in either of two portions to be brazed being hidden from the vacuum room of the vacuum interrupter;
- (g) additional auxiliary sealing members which connect in brazing the movable lead rod and the one insulating end plate to the bellows; and
- (h) additional receptacles for solid brazing material provided in portions to be brazed of the additional sealing members, being hidden from the vacuum room of the vacuum interrupter.

Compl. Specn. 24 pages.

Drg. 4 sheets.

CLASS : 130-H.

157770

Int. Cl. : C 22 b 53/00.

IMPROVEMENTS IN A METHOD AND AN APPARATUS FOR PRODUCING TITANIUM METAL FROM TITANIUM TETRACHLORIDE.

Applicant & Inventor : HIROSHI ISHIZUKA, OF 19-2, EBARA 6-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Application No. 329/Cal/82 filed March 24, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An improved method for producing titanium metal from tetrachloride which comprises holding magnesium as fused in a space which is provided within an elongated vessel (5, 21) and is heatable with a furnace (1, 25) surrounding the vessel, introducing titanium tetrachloride into said magnesium to cause a reaction therebetween to form titanium metal and magnesium chloride containing such reaction until the vessel is deposited with a substantial volume of titanium metal and recovering the said metallic product and chloride by product, characterized in that an interspace (17, 44) airtightly sealed and pressure regulatable is provided between the vessel (5, 21) and the furnace (1, 25) and the vessel is heated in the furnace with said interspace filled with an inert gas, close to that inside the said vessel and maintained equal to or within ± 0.2 kg/cm² (19.6 KPa) of that inside the vessel space.

Compl. Specn. 27 pages.

Drgs. 3 sheets.

CLASS : 159-J & K.

z 157771

Int. Cl. : B 61 i 7/00.

A SYSTEM FOR SURVEYING RAILWAY TRACKS.

Applicant & Inventor : TAI-HER YANG, OF 5-1 TAY PYNG ST., SHI HWU JENN, JANG HUAH SHIANN, TAIWAN.

Application No. 579/Cal/82 filed May 21, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A system for surveying railway tracks for improving safety of trains, said system adapted to be disposed a distance away from a train travelling rectilinearly along said tracks, the system comprising :

a satellite car adapted for travelling rectilinearly along said tracks, said satellite car including :

drive means for propelling said satellite car along said tracks;

control means, adapted to receive control signals transmitted by said train and operatively connected to said train and operatively connected to said drive means, for maintaining said satellite car a predetermined distance from said train;

audio detecting means for detecting the level of sound energy produced by the travel of said satellite car over said tracks; and

first transmitting means for transmitting information to said train, said information comprising at least said detected sound energy level to said train;

second transmitting means, disposed on said train, for transmitting said control signals to said control means;

receiving means disposed on said train for receiving said information transmitted by said first transmitting means; and

display means disposed on said train for displaying said received information.

Compl. Specn. 19 pages.

Drg. 13 sheets.

CLASS : 84-C₁.

157772

Int. Cl. : C 101 5/00.

AQUEOUS COAL SUSPENSION AND METHOD OF PREPARING THE SAME.

Applicant : SNAMPROGETTI S.p.A., OF CORSO VENEZIA 16, MILAN, ITALY.

Inventors : 1. ENZO FERRONI, 2. GABRIELLA GABRIELLI, 3. PIERO BAGLIONI, 4. ENRICO CARNIANI

Application No. 381/Cal/82 filed May 21, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

An aqueous coal suspension characterised by comprising coal particles in water, the coal particles having a size not exceeding 300/um and are divided into two groups, and also comprising a polyelectrolyte and optionally a stabiliser; wherein the coal particles of the first group have an average size of between 210 and 60/um and coal particles of the second group have an average size of between 1/6 and 1/20 of the average size of the particles of the first group and wherein the coal particles of the first group represent at least 40% by weight of the total particles; provided that the cumulative particle size distribution curve, when plotted on a bilogarithmic scale, comprises a flat zone lying between the values representing the average sizes of the two groups of particles of different sizes, and cumulative particle size distribution curve being such as to comprise two particle size values, d_1 and d_2 , lying between the average diameters of the two groups of particles for which the numerical value expression

$$\frac{(a) \log^{1/2} (\%CM1)}{\log d_1} - \frac{\log (\%CM2)}{\log d_2}$$

is less than 0.4, where % CM1 and % CM2 indicate the total percentages of the particle mass having sizes of less than d_1 and d_2 , respectively; and wherein the polyelectrolyte quantity lies between 0.1 and 1% by weight of the entire suspension, the polyelectrolyte being non-surface active and anionic and comprises alkyl-substituted polynuclear aromatic groups such as hereinbefore described; and wherein the stabiliser is an organic gel, preferably a polysaccharide.

Compl. Specn. 15 pages.

Drg. 2 sheets.

CLASS : 39-L.

157773

Int. Cl. : C 01 f 5/12, 7/32.

PROCESS FOR THE PREPARATION OF A HOMOGENEOUS POWDER, OF VERY FINE ELEMENTARY PARTICLES.

Applicant : PCUK PRODUITS CHIMIQUES UGINE KUHIMANN, OF TOUR MANHATTAN—LA DEFENSE 2, 5 & 6 PLACE DE L' IRIS, 92400 COURBEVOIE, FRANCE.

Inventors : 1. ROLAND BACHELARD, 2. MAURICE LAMALLE.

Application No. 633/Cal/82 filed June 2, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Process for the preparation of a homogeneous powder of very fine elementary particles as herein described which process comprises dehydrating an ammonium alum containing composition such as herein described such that dehydrated salts having a bulk density of less than 0.2 kg dm⁻³ are obtained, subjecting the resultant product to calcination process having at least one intermediate stage and completing the elimination of sulphur at a temperature not exceeding 1050°C, preferably from 750° to 850°C.

Compl. Specn. 19 pages.

Drg. Nil.

CLASS : 93+123.

157774

Int. Cl. : B 01 j 2/00; C 05 c 3/00, 9/00.

A PROCESS FOR PRODUCING UREA GRANULES OR GRANULES CONTAINING UREA.

Applicant : COMPAGNIE NEERIANDAISE DE L'AXOTE (SOCIETE ANONYME), OF LOUIZALAAN 149, BRUZZELS, BELGIUM.

Inventors : 1. WILLY HENRI PRUDENT VAN HIJETE, 2. LUC ALBERT VANMARCKE.

Application No. 700/Cal/82 filed June 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A process for producing urea granules or granules containing urea and a minor amount of one or more other fertilizers, such as ammonium sulphate, ammonium dihydrogen phosphate and diammonium hydrogen phosphate, by prilling, pan granulating or drum granulating a urea melt or by granulating an aqueous urea solution having a urea concentration of at least 70% by weight by spraying said solution in the form of very fine driplets having an average diameter of 20—120 microns into a fluidized bed of urea particles at a temperature at which the water from the solution sprayed onto the particles is evaporated, and urea solidifies on the particles to form granules having a desired size, which melt or solution may contain said one or more other fertilizers in solution and/or suspension, characterized by the addition to the melt, solution, or suspension to be prilled or granulated of a water-soluble inorganic aluminum salt in a quantity equivalent to 0.1—1.0% by weight of Al₂O₃, calculated on the solid content of the melt, solution or suspension.

Compl. Specn. 15 pages.

Drg. Nil.

CLASS : 134-D.

157775

Int. Cl. : B 62 d 3/00.

DEVICE FOR STRAIGHT TRAVELLING STABILIZATION AND CHANGE OF ATTITUDE ON PREDETERMINED PATHS FOR VEHICLES AXLES.

Inventor : ROBERTO PERLINI, OF CARSO VENEZIA 93, 37047 SAN BONIFACIO, VERONA, ITALY.

Inventor : ROBERTO PERLINI, OF CARSO VENEZIA 93, 37047 SAN BONIFACIO, VERONA, ITALY.

Application No. 880/Cal/82 filed July 28, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A device for straight travelling stabilization and modification of attitude on predetermined paths for vehicle axles, comprising a permanent elastic energy loading unit, a shifting actuator acting on a vehicle axle and a control member for said shifting actuator, said control member being actuated by variations in the travelling attitude of a main steering system of the vehicle.

Compl. Specn. 21 pages.

Drg. 5 sheets.

CLASS : 76-B & E; 162.

157776

Int. Cl. : F 16 g 11/00.

A CONNECTION UNIT FOR CONNECTING ROPE ENDS TOGETHER.

Applicant : AUMUND-FORDERERBAU GESSELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF SAALHOFFERSTR. 17, D-4134 RHEINBERG 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. DR. ING. KARL H. Koster, 2. ROLAND GUNTHER.

Application No. 1019/Cal/82 filed September 2, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A connection unit for connecting rope ends (4, 5) together, comprising a plate (1), at least one pin (2) extending from said plate, at least one take-up part (8) mounted for rotation on said at least one pin, said take-up part having a stop (14) for engaging and holding one of the rope ends, the others of the rope ends being connected to said plate, and friction means (7, 16, 17, 18) connected between said take-up part and said at least one pin for holding said take-up part at a selected rotational position on said at least one pin.

Compl. Specn. 11 pages.

Drg. 1 sheet.

CLASS : 146-C.

157777

Int. Cl. G 01 n 21/08.

DEVICE FOR ATTACHMENT TO A PRESSURE VESSEL AND FOR CONTAINING A pH-MEASURING ELECTRODE.

Applicant : VEB PULMFABRIK WOLFEN OF 444 WOLFEN 1, GERMAN DEMOCRATIC REPUBLIC.

Inventors : 1. KLAUS FISCHER, 2. GUNTER FIEHN, 3. SIEGHARD RENNERT, 4. ALOIS TEICHNER.

Application No. 1172/Cal/82 filed October 11, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A device for attachment to a pressure vessel and for containing an electrode for measuring the pH of the contents of the said vessel, which comprises :

a sleeve for receiving at least the distal end of an electrode, the proximal end of which sleeve can be sealably received in a wall of a pressure vessel, a first gland contained within the sleeve toward its proximal end to provide a seal between the sleeve and the electrode,

a second gland contained within the sleeve toward its distal end to provide a seal between the sleeve and the sleeve and the electrode or between the sleeve and a cable projecting from the electrode,

means for tightening the first gland,

means for tightening the second gland, and

a connection member containing an inlet for connection to a gas supply, the inlet communicating with the interior of the sleeve between the first and second glands.

Compl. Specn. 18 pages.

Drg. 2 sheets.

CLASS : 164-A.

157778

Int. Cl. : C 02 c 5/04, 5/10.

A BIOLOGICAL WASTEWATER TREATING PROCESS.

Applicant : AIR PRODUCTS AND CHEMICALS, INC., OF ROUTE NO. 222, TREXLETTOWN, PENNSYLVANIA 18087, UNITED STATES OF AMERICA.

Inventors : 1. MICHAEL S. K. CHEN, 2. MARSHALL L. SPECTOR.

Application No. 1188/Cal/82 filed October 13, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A biological wastewater treating process for using an activated sludge system to produce a non-bulking sludge having rapid settling characteristics and containing an activated

biomass species capable of removing phosphate values as hereinbefore described which comprises :

(a) forming a mixed liquor in a biological oxygen demand (BOD) sorption zone, said mixed liquor being formed by mixing an activated biomass with a soluble 5-day biological oxygen demand (BOD₅) and phosphate values containing waste-water influent under conditions such that at least 25% of the soluble 5-day biological oxygen demand (BOD₅) is sorbed by said biomass;

(b) oxidizing the 5-day biological oxygen demand (BOD₅) in the mixed liquor, including at least part of the 5-day biological oxygen demand (BOD₅) sorbed in said biomass, in an oxidation zone by contacting the mixed liquor with an oxidizing agent as hereinbefore described, said oxidizing being effective for oxidizing at least 30% of the total influent 5-day biological oxygen demand (BOD₅) in the mixed liquor;

(c) settling the resulting oxidized mixed liquor in a settling zone thereby forming a supernatant liquor and a dense sludge containing activated biomass; and

(d) recycling at least a portion of the dense sludge to the biological oxygen demand (BOD₅) sorption zone;

the improvement comprising treating that sludge with said oxidizing agent into said oxidation zone at a predetermined rate.

Compl. Specn. 34 pages.

Drg. 1 sheet.

CLASS : 28-E+176-I.

157779

Int. Cl. : F 23 b 1/00.

SOLID FUEL BOILER UNIT.

Applicant : FIVES-CAIL BABCOCK OF 7 RUE MONTALIVET, 75383 PARIS CEDEX 08, FRANCE.

Inventors : 1. PAUL COSAR, 2. RAUL TERAUBE.

Application No. 1466/Cal/82 filed December 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A solid fuel boiler unit comprising a fluidizing bed furnace having a fluidization support above which the solid fuel such as coal is placed, primary air being blown through the said support, and a boiler shell with tubular walls above the said furnace, wherein the fluidizing bed furnace provides an aerator, wherein the boiler shell is divided by means of a common transverse wall to provide superposed lower and upper parts, respectively and wherein there is provided a circuit to supply gas coming out of the lower part to at least one burner provided at the base of the upper part, the said burner being simultaneously supplied with secondary combustion air, and the said circuit comprising de-dusting and de-sulphurization means.

Compl. Specn. 11 pages.

Drg. 4 sheets.

CLASS : 32F₁ 32F₂(a) & 55D₂.

157780

Int. Class : C07c-127/00

"A PROCESS FOR THE MANUFACTURE OF AN ACYL-UREA".

Application : SCHERING AKTIENGESellschaft, a body corporate organised according to the laws of the Federal Republic of Germany, of Berlin and Bergkamen, Federal Republic of Germany.

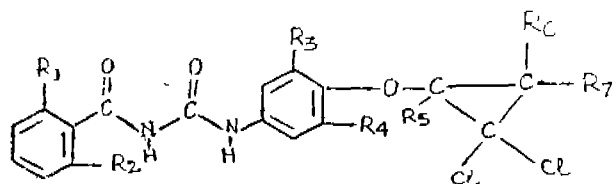
Inventors : HEIRICH FRANKE AND HARTMUT JOPPIEN.

Application for Patent No. 713/DEL/1981 filed on 13th November 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-5.

4 Claims.

A process for the manufacture of an acyl-urea of the general Formula I in which



R_1 represents a halogen atom or a C_1 - C_6 -alkyl group,

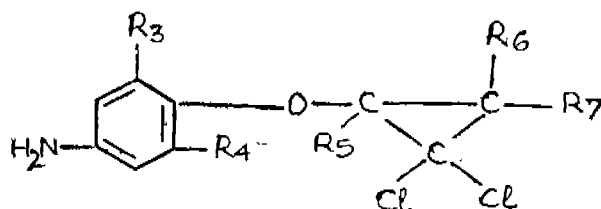
R_2 represents hydrogen or halogen atom,

R_3 represents a hydrogen or halogen atom or methyl group,

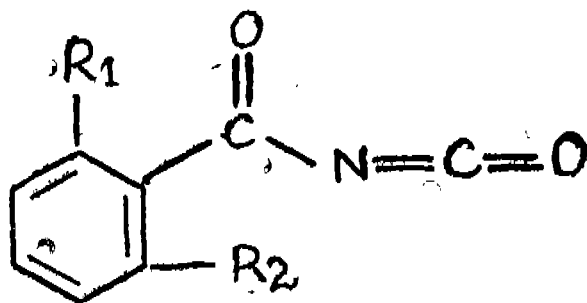
R_4 represents a hydrogen or halogen atom or a methyl group, and

R_5 , R_6 and R_7 each represents a hydrogen atom, a C_1 - C_6 alkyl group or an unsubstituted or substituted aryl group, wherein

an alkoxyaniline of the general Formula II in which R_8 ,



R_8 , R_9 , R_{10} and R_{11} have the meanings given above, is reacted with a benzoyl isocyanate of the general Formula III in which



R_1 and R_2 have the meanings given above.

(Complete specification 21 pages) (Drawing 2 sheets)

CLASS : 40 B & 32F.

157781

Int. Class : C07d 5/06.

"A PROCESS FOR THE PREPARATION OF TRIHALOMETHYLHYDROXYLACTONES AND ITS CIS TAUTOMERIC KETO ACID".

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., a Netherlands Company of Carel van Bylandtlaan 30, The Hague, the Netherlands.

Inventor : PETRUS ANTHONIUS KRAMER.

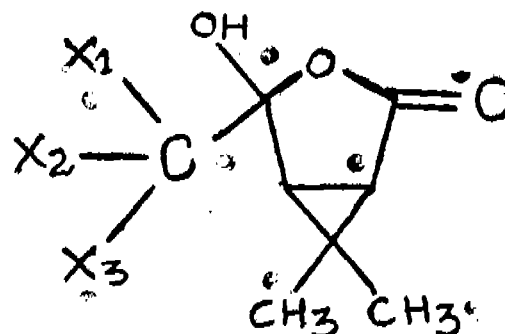
Application for Patent No. 797/Del/81 filed on 22nd December, 81.

Convention date 27th May, 1981/71065/81/(Australia).

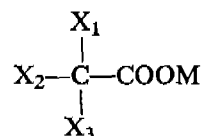
Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-5.

4 Claims.

Process for the preparation of a trihalomethylhydroxylactone and its cis-tautomeric keto-acid of the general formula 1



wherein X_1 , X_2 and X_3 may be the same or different and individually represent a fluorine, chlorine or bromine atom characterised in that cis-caronic anhydride is reacted under substantially anhydrous conditions with a trihalo-acetate of the general formula



wherein X_1 , X_2 and X_3 have the same meaning defined above and M represents an alkali metal atom, and optionally converting in any known manner the product into its corresponding ester or salt.

(Complete specification 11 pages.

Drawing 2 sheets).

CLASS : 80K

157782

Int. Cl. : B01d 29/00.

"IMPROVEMENTS IN OR RELATING TO A FILTERING APPARATUS FOR SEPARATING SOLIDS AND SUSPENDED PARTICLES FROM LIQUIDS".

Applicant : CHEMIEFASER LENZING AKTIENGESELLSCHAFT, A COMPANY ORGANISED UNDER THE LAWS OF AUSTRIA, RESIDING AT A-4860 LENZING, AUSTRIA.

Inventor : WALTER KLEIN.

Application for Patent No. 43/DEL/1982 filed on 19th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

17 Claims

Filtering apparatus for separating solids and suspended particles from liquids comprising a cylindrical casing, a cylindrical filter basket coaxially installed therein and delimiting an annular space (I) accommodating the liquid to be filtered relative to an outer annular space (II) accommodating the filtrate, and a coaxially arranged central tube for accommodating and discharging backflush liquid, an element that connects the outer annular space (II) with the inner space (III) of the central tube being movably arranged on the inner side of the filter basket, characterized in that the connection element, for controlling the flush and backflush phases, is provided with two piston disks (11) held at a distance from distance from each other and each including a pass-through channel connecting the outer space (II) with the inner space (III) of the central tube (7) via perforations (27) of the filter basket (3) carrying a filter material (4) on its outer jacket, wherein the piston disks (11) contact the inner surface of the filter basket (3) and the outer surface of the central tube (7) via seals (32, 33) in a liquid-tight manner, and that the connection element is movable in the axial direction of the casing (1).

(Complete specification 21 Pages.

Drawing 4 sheets).

CLASS : 39 K, 123 and 5 A.

157783

Int. Cl. : A 01g 31/00.

"A PROCESS FOR STABILIZING PARTICLES CONTAINING A METAL PEROXIDE."

Applicant : INTEROX, a Belgian company of 33, rue due Prince Albert, B-1050 Brussels, Belgium.

Inventor : IGNACE GAGO.

Application for Patent No. 179/DEL/1982 filed on 7th April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

9 Claims.

A process for stabilizing particles such as herein described containing a metal peroxide characterized in that a core of metal peroxide particle is coated by method such as herein described with a layer containing a water-soluble condensed phosphate.

(Complete Specification 12 Pages).

CLASS : 152 F and 104 J.

157784

Int. Cl. : C 08c 17/00, 17/22, 11/00, 11/20 and C 08d 18/00, 13/22.

"PROCESS FOR MASTICATING RUBBER."

Applicant : BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF 5090 LEVERKUSEN, BAYERWERK, FEDERAL REPUBLIC OF GERMANY.

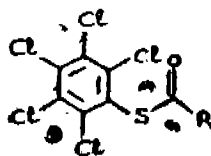
Inventors : RUDIGER SCHUBART, HERMAIN FRIES AND ERICH ESCH.

Application for Patent No. 296/DEL/82 filed on 13th April, 1982.

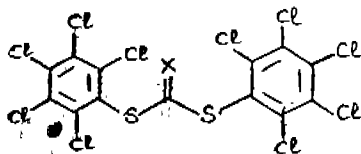
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for masticating rubber, which comprises treated natural and/or synthetic rubber latex or the corresponding solid rubber with a masticating agent which is a compound of the general formulae I or II



FORMULA I



FORMULA II

of the accompanying drawings wherein

R represents a C_1-C_{20} alkyl radical or a C_6-C_{20} aryl radical,which aryl radical may be substituted by C_1-C_4 alkyl, hydroxy, C_1-C_4 alkoxy or halogen, and

X represents oxygen or sulphur.

(Complete Specification 8 Pages. Drawing One Sheet).

CLASS : 32 B & 40 B.

157785

Int. Cl. : C07c 1/00, 5/00, B01j 9/00.

"PROCESS FOR ISOMERISING ALKYL AROMATIC HYDROCARBONS."

Applicant : UOP INC., A CORPORATION ORGANISED IN THE STATE OF DELAWARE, WITH ITS PRINCIPAL PLACE OF BUSINESS AT TEN UOP PLAZA, ALGONQUIN AND MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventor : DELMAR WYLIE ROBINSON.

Application for Patent No. 307/DEL/1982 filed on 15th April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for isomerising alkyl aromatic hydrocarbons such as herein described comprising contacting by known method, the said hydrocarbon and hydrogen in presence of the catalytic composite comprising a silica polymorph consisting of crystalline silica, said silica polymorph after calcination in air at 600°C for one hour, having a mean refractive index of 1.39 ± 0.01 and a specific gravity at 25°C of 1.70 ± 0.05 g/cc in admixture with alumina.

(Complete Specification 22 Pages).

CLASS : 155 F₂.

157786

Int. Cl. : D 06 13/26.

"A PROCESS FOR IMPARTING FLAME RESISTANT PROPERTIES TO A TEXTILE WEB."

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19, UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN INSTITUTE.

Inventor : KAMLESH KUMARI.

Application for Patent No. 309/DEL/1982 filed on 16th April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A process for imparting flame resistant properties to a textile web which comprises in treating the web with a flame resistant consisting of tetrakis (hydroxy methyl) phosphonium chloride or sulphate and trimethanol melamine, drying said web, said treatment consisting in at least a first and second step, and when the drying for the second step is shorter than for the first step, the pH of the material in the second step is higher than that of said first step and, thereafter, treating the web to form ammonia in situ on said web, subjecting said web to the step of curing and, thereafter, subjecting the fabric to the known step of washing.

(Complete Specification 10 Pages).

CLASS : 39E & P & 32E.

157787

Int. Cl. : C01f 11/00.

"A METHOD OF SELECTIVELY REMOVING CALCIUM FROM CATION EXCHANGE RESIN BEADS CONTAINING ADSORBED CALCIUM AND MAGNESIUM IONS".

Applicant : AMERICAN PETRO MART, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF FLORIDA, U.S.A., OF 125 NORTH WILSON, BARTOW, FLORIDA 33830, UNITED STATES OF AMERICA.

Inventor : Solon Gene Whitney and William Richard Erickson.

Application for Patent No. 397/DEL/1982 filed on 26th May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

6 Claims

The method of selectively removing calcium from cation exchange resin beads containing adsorbed calcium and magnesium ions, characterized by the step of :

(a) passing an aqueous sulfuric acid (H_2SO_4) solution through a bed of said resin beads, said solution having an H_2SO_4 concentration of from 20 to 50% by weight, being saturated with calcium sulfate ($CaSO_4$), and containing magnesium sulfate ($MgSO_4$) at a concentration substantially below saturation :

(b) continuing to pass said solution through said resin bed until the adsorbed magnesium is in ion exchange equilibrium with the magnesium in solution while simultaneously exchanging the hydrogen ions in solution for the adsorbed calcium ions, said solution becoming supersaturated with calcium sulfate; and

(c) passing the said supersaturated solution to a crystallizer and precipitating $CaSO_4$ therein.

(Complete Specification 18 Pages. Drawing One Sheet).

CLASS : 190 D. 157788

Int. Cl. : F03d 3/00, 7/00.

"AN IMPROVED WIND ENERGY CONVERTER WITH COUPLING MEANS".

Applicant : KAPUR SINGH & KAKA SINGH, BOTH INDIAN NATIONALS OF A-791, PREM NAGAR, NABI KRIM, PAHAR GANJ, NEW DELHI, INDIA.

Inventors : KAPUR SINGH & KAKA SINGH.

Application for patent No. 708/Del/82 filed in 16th September, 1982. Additional to patent application 416/Del/81 dated 29th June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A wind energy converter comprising a support for supporting a rotor assembly including at least a first rotor and a second rotor disposed along the same vertical or horizontal plane spaced from each other, each of said rotors comprising a plurality of blades fixed to its respective shaft, a single driven shaft adapted to be driven by said first and second rotors, the blades of the two rotors assisting the rotation of each other as described in the parent patent application No. 416/Del/81 characterized in that the shaft of the first rotor is coupled to one end of a connecting lever or connecting lever assembly, the shaft of the second rotor being coupled to the opposite end of said lever or lever assembly, said lever or lever assembly rigidly mounted on an intermediate shaft to provide a single oscillatory movement of the intermediate shaft said intermediate shaft being coupled to the driven shaft through coupling members to provide a linear reciprocating movement of the driven shaft.

(Complete specification 7 pages. Drawing 1 sheet).

CLASS : 84. C. 157789

Int. Cl. : C. 101 5/00.

"A PROCESS FOR PRODUCING BRIQUETTED FUEL FROM AGRICULTURAL RESIDUES."

Applicant : PREM DUTTA GROVER, PROFESSOR AND HEAD, AN INDIAN NATIONAL OF DEPARTMENT OF CHEMICAL ENGINEERING, INDIAN INSTITUTE OF TECHNOLOGY, HAUZ KHAS, NEW DELHI-110016, INDIA.

Inventor : PREM DUTTA GROVER.

Application for Patent No. 03/Del/1983 filed on 1st January 1983. Divisional to Patent Application No. 665/Del/81 filed on 14-10-81.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A process for producing briquetted fuel from agricultural residues which comprises in a partial carbonization of the residue in the absence of air, the combustible gases produced by the partial carbonization being utilized for generation of heat in the process of partial carbonization, cooling said partially carbonized product, adding a known binder thereto, forming briquettes therefrom and then drying said briquettes.

(Complete specification pages 10)

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Council of Scientific & Industrial Research to the grant of a patent on application No. 156790 made by Stamicarbon B.V.

(2)

An opposition has been entered by Research, Designs & Standards Organisation to the grant of a patent on application No. 156893 made by Anil Krishna Kar.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

(1)

The claim made by Riospherics Incorporated under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 145560 in their name has been allowed.

(2)

The claim made by OSTERREICHISCHE SCHIFFSWERTEN AKTIENGESSELLSCHAFT under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 145624 in their name has been allowed.

(3)

The claim made by METALLGESELLSCHAFT AG. under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 153275 in their name has been allowed.

(4)

The claim made by ELKOTRADE AG. under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 155852 in their name has been allowed.

(5)

The claim made by National Dairy Development Board under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 156048 in their name has been allowed.

(6)

The claim made by Cape Boards and Panels Limited under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 156449 in their name has been allowed.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Patent Office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

(1)

152359 152360 152361 152362 152363 152364 152365 152366
152367 152368 152369 152370 152371 152372 152373 152374
152375 152376 152377 152378 152379 152380 152382 152383
152384 152385 152386 152387 152388 152389 152390

(2)

152449 152450 152451 152452 152453 152454 152455 152456
 152457 152458 152459 152460 152461 152462 152463 152464
 152465 152466 152467 152468 152469 152470 152471 152472
 152473 152475 152476 152477 152478

(3)

152479 152480 152483 152484 152485 152486 152487 152488
 152489 152490 152491 152492 152493 152494 152495 152498
 152499 152500 152501 152502 152503 152504 152505 152506
 152507 152508 152509 152510 152511

(4)

152474 152512 152513 152514 152515 152516 152517 152518
 152519 152520 152521 152522 152523 152524 152525 152526
 152527 152528 152529 152530 152531 152532 152533 152534
 152535 152536 152537 152538 152539 152540 152541 152542

PATENTS SEALED

145677 148094 150462 150597 150655 150762 151129 151402
 151610 151611 151653 151734 151799 154561 154570 154820
 154945 154946 154959 155042 155056 155057 155058 155076
 155102 155103 155204 155229 155235 155253 155303 155304
 155308 155315 155317

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Philips India Limited, a Company duly registered under the Indian Companies Act, Manufacturers of 7, Justice Chandra Madhab Road, Calcutta-700020, India, and having their Head Office at Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400018, have made an application under Section 57 of the Patent Act, 1970 for amendment of application form, Specification and drawings of their application for Patent No. 144502 for "Hydraulically damped lifting mechanism for the pick-up arm of a record player". The amendments are by way of changing the name of the applicants from Philips India Limited to "Peico Electronics & Electricals Limited." The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

The amendment proposed by Sumitomo Chemical Company Limited, a corporation organised under the laws of Japan, of 15, Kitaura-5-Chome, Higashi-Ku, Osaka, Japan, in respect of Patent application No. 153740 as advertised in Part III, Section 2 of the Gazette of India dated the 16th November, 1985 has been allowed.

(3)

Notice is hereby given that Societe D'Etudes Scientifiques Et Industrielles De L'Ile-De-France, of 46, Boulevard de Latour-Moubourg, 75 Paris 7^e France, a Company organized under the laws of France, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their patent application No. 157591 for "A method of preparing novel 4-amino-5-alkylsulfonyl orthoanisamides". The amendment are by way of explanation and correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition Form 30 within three months from the date of this notification

tion at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said.

RENEWAL FEES PAID

136978 137193 137404 137963 138457 138892 138901 138925
 139431 139901 140007 140206 142536 142666 143180 143338
 143432 143794 143949 144078 144734 144744 144796 145000
 145031 145055 145152 145175 145251 145398 145535 145538
 145575 145587 145637 145705 145707 145739 146111 146292
 146305 146324 146558 147343 147475 147774 148535 148592
 148925 148985 149279 149821 149931 149940 150117 150558
 150709 150718 151075 151178 151262 151312 151604 151672
 151722 151808 151878 152021 152029 152332 152449 152561
 152565 152696 152734 152814 152889 152892 152951 153295
 153350 153573 153705 153744 153887 153963 154230 154362
 154437 154472 154541 154542 154648 154905 154915 154948
 154983 155081 155197

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class. 1. No. 156192. Acrow India Limited, a Company incorporated under the Companies Act, of Sterling Centre, 5th floor, 16/2, Dr. Annie Besant Road, Worli, Bombay-400 018, State of Maharashtra, India. "Scaffolding Connector". 29th October, 1985.
- Class 1. No. 156477. Vilas Shriram Karekar, an Indian Citizen Gram Panchayat Bldg., Room No. 4 At and Post: Sopara, Taluka: Vasai Dist: Thane, Maharashtra, India. "A Fish Scraper". 26th December, 1985.
- Class 1. No. 156791. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700071, West Bengal, India. "Flash Light". 19th March, 1986.
- Class 1. No. 156160. NIGO's Machinery Private Limited, an Indian Company duly registered and incorporated under Companies Act, 1956 and having its Registered Office at: 164 Nagdevi Street, Bombay-400 003, Maharashtra, India. "A Trilley". 25th October, 1985.
- Class 1. No. 156792. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700071, West Bengal, India. "Flash Light". 19th March, 1986.
- Class 1. No. 156122. Dipankar Basu, and Hirendranath Bhat-tacharjee, Indian Nationals, being partners trading as Quality Type Foundry at 30A, Beadon Row, Calcutta-700-006, West Bengal, India. "The fonts of Printing Types". 14th October, 1985.
- Class 1. No. 156130. Aarti Engineering Company, an Indian Sole Proprietary Firm of 11, Marol Co-op. Industrial Estate, Mathuradas Vassanii Road, Andherai (East), Bombay-400 059, Maharashtra, India. "Mini Air Compressor". 14th October, 1985.

Extn. of Copyright for the Third period of five years.

No. 155374.—Class-1.

Nos. 155737, 155739, 155741, 155743, 155744, 155746,

155673.—Class-3.

Nos. 155670, 155671, 155672.—Class-5.

R. A. ACHARYA,
 Controller General of Patents,
 Designs and Trade Marks.